Applicant: Shenoy et al. Attorney's Docket No.: A2039-701110 / VPI 00-08

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## Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## Listing of Claims:

- 1. 94. (Canceled)
- 95. (Previously presented) A crystal of infliximab, wherein the crystal comprises infliximab, ethoxyethanol, lithium sulfate, and Tris buffer.
  - 96. (Currently amended) The crystal of claim 95, wherein the pH of the Tris buffer is 8.6.
- 97. (Previously presented) A method of crystallizing infliximab, the method comprising: combining infliximab, ethoxyethanol, lithium sulfate, and Tris buffer, thereby forming a crystallization solution; and

incubating the crystallization solution, thereby crystallizing infliximab.

- 98. (Previously presented) The method of claim 97, wherein the method is performed at room temperature.
- 99. (Previously presented) The method of claim 97, wherein the method is performed at pH 8.6.
- 100. (Currently amended) The method of claim 97, wherein the concentration of infliximab in the crystallization solution is  $\frac{16.67}{0.15}$  mg/ml.

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101. (Currently amended) The method of claim 97, wherein the percentage of ethoxyethanol in the crystallization solution is  $\frac{23.3\%}{150}\%$ .

- 102. (Currently amended) The method of claim 97, wherein the concentration of lithium sulfate in the crystallization solution is 0.13  $\frac{20}{150}$  M.
- 103. (Currently amended) The method of claim 97, wherein the concentration of Tris buffer in the crystallization solution is  $\frac{0.067}{150}$  M.
- $104. \ (Currently \ amended) \ The \ method \ of \ claim 97, \ wherein the \ concentration \ of infliximab in the \ crystallization solution is <math display="block">\frac{16.67}{0.15} \frac{2.5}{0.15} \ mg/ml, \ the \ percentage \ of \ ethoxyethanol$  in the \ crystallization solution is  $\frac{23.3\%}{150} \frac{3500}{150} \text{M}, \ the \ concentration \ of \ lithium \ sulfate \ in \ the \ crystallization \ solution is <math display="block">\frac{0.13}{150} \frac{20}{150} \ \text{M}, \ and \ the \ concentration \ of \ Tris \ buffer \ in \ the \ crystallization \ solution \ is <math display="block">\frac{0.067}{150} \frac{10}{150} \ \text{M}.$
- 105. (Previously presented) A crystal of infliximab, wherein the crystal comprises infliximab, PEG-400, lithium sulfate, and Tris buffer.
- 106. (Currently amended) The crystal of claim 105, wherein the pH of the Tris buffer is 8.5.
  - 107. (Previously presented) A method of crystallizing infliximab, the method comprising:

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combining infliximab, PEG-400, lithium sulfate, and Tris buffer, thereby forming a crystallization solution; and

incubating the crystallization solution, thereby crystallizing infliximab,

- 108. (Previously presented) The method of claim 107, wherein the method is performed at room temperature.
- 109. (Previously presented) The method of claim 107, wherein the method is performed at pH 8.5.
- 110. (Currently amended) The method of claim 107, wherein the concentration of infliximab in the crystallization solution is  $\frac{2.5}{0.15}$  mg/ml.
- 111. (Currently amended) The method of claim 107, wherein the percentage of PEG-400 in the crystallization solution is  $\frac{26.67\%}{150}\%$ .
- 112. (Currently amended) The method of claim 107, wherein the concentration of lithium sulfate in the crystallization solution is  $\frac{0.13}{150}$  M.
- 113. (Currently amended) The method of claim 107, wherein the concentration of Tris buffer in the crystallization solution is  $\frac{0.067}{150}$  M.
- 114. (Currently amended) The method of claim 107, wherein the concentration of infliximab in the crystallization solution is  $\frac{16.67}{0.15}$  mg/ml, the percentage of PEG-400 in the

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crystallization solution is  $\frac{26.67\%}{150} \frac{4000\%}{1}$ , the concentration of lithium sulfate in the crystallization solution is  $\frac{26.13}{150} \frac{20}{1}$  M, and the concentration of Tris buffer in the crystallization solution is  $\frac{6.067}{150} \frac{10}{150}$  M.

- 115. (Previously presented) A crystal of infliximab, wherein the crystal comprises infliximab, polyethylene glycol monomethyl ether 550 (PEG MME 550), calcium chloride, and Tris HCl buffer.
- 116. (Previously presented) The crystal of claim 115, wherein the pH of the Tris HCl buffer is 7.0.
- 117. (Previously presented) A method of crystallizing infliximab, the method comprising: combining infliximab, PEG MME 550, calcium chloride, and Tris HCl buffer, thereby forming a crystallization solution; and

incubating the crystallization solution, thereby crystallizing infliximab.

- 118. (Previously presented) The method of claim 117, wherein the method is performed at room temperature.
- 119. (Previously presented) The method of claim 117, wherein the pH of the Tris HCl buffer is 7.0.
- 120. (Currently amended) The method of claim 117, wherein the concentration of infliximab in the crystallization solution is  $\frac{37.88}{0.033}$  mg/ml.

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121. (Currently amended) The method of claim 117, wherein the percentage of PEG MME 550 in the crystallization solution is  $\frac{45.15\%}{33}\%$ .

- 122. (Currently amended) The method of claim 117, wherein the concentration of calcium chloride in the crystallization solution is  $0.091 \frac{3}{33}$  M.
- 123. (Currently amended) The method of claim 117, wherein the concentration of Tris HCl buffer in the crystallization solution is  $\frac{0.076}{33}$  M.
- 124. (Currently amended) The method of claim 117, wherein the concentration of infliximab in the crystallization solution is  $\frac{37.88}{0.033} \frac{1.25}{0.033}$  mg/ml, the percentage of PEG MME 550 in the crystallization solution is  $\frac{15.15\%}{33} \frac{500}{33}\%$ , the concentration of calcium chloride in the crystallization solution is  $\frac{0.091}{33} \frac{3}{33}$  M, and the concentration of Tris HCl buffer in the crystallization solution is  $\frac{0.096}{33} \frac{2.5}{33}$  M.
- 125. (Previously presented) A crystal of infliximab, wherein the crystal comprises infliximab, PEG 300, Tris buffer, PEG 8000, and glycerol.
- 126. (Currently amended) The crystal of claim 125, wherein the pH of the Tris buffer is 8.5.
  - 127. (Previously presented) A method of crystallizing infliximab, the method comprising:

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combining infliximab, PEG 300, Tris buffer, PEG 8000, and glycerol, thereby forming a crystallization solution; and

incubating the crystallization solution, thereby crystallizing infliximab,

- 128. (Previously presented) The method of claim 127, wherein the method is performed at room temperature.
  - 129. (Previously presented) The method of claim 127, wherein the pH is 8.5.
- 130. (Currently amended) The method of claim 127, wherein the concentration of infliximab in the crystallization solution is  $\frac{6.67}{0.075}$  mg/ml.
- 131. (Currently amended) The method of claim 127, wherein the percentage of PEG 300 in the crystallization solution is  $\frac{13.3}{75}$ %.
- 132. (Currently amended) The method of claim 127, wherein the concentration of Tris buffer in the crystallization solution is  $\frac{0.067}{75}$  M.
- 133. (Currently amended) The method of claim 127, wherein the percentage of PEG 8000 in the crystallization solution is  $\frac{3.33}{75}$ %.
- 134. (Currently amended) The method of claim 127, wherein the percentage of glycerol in the crystallization solution is  $\frac{6.67}{75}$ %.

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135. (Currently amended) The method of claim 127, wherein the concentration of infliximab in the crystallization solution is  $\frac{6.67}{0.075}$  mg/ml, the percentage of PEG 300 in the

crystallization solution is  $\frac{13.3}{75}$  %, the concentration of Tris buffer in the crystallization

solution is  $\frac{0.067}{75}$  M, the percentage of PEG 8000 in the crystallization solution is  $\frac{3.33}{100}$ 

 $\frac{250}{75}$  %, and the percentage of glycerol in the crystallization solution is 6.67  $\frac{500}{75}$  %.

- 136. (New) A crystal of infliximab.
- 137. (New) A method of crystallizing infliximab, the method comprising: combining infliximab with a crystallizing buffer, thereby forming a crystallizing solution; and
  - incubating the crystallizing solution, thereby crystallizing infliximab.
  - 138. (New) A crystal of infliximab produced by the method of claim 137.